

#### REMARKS

Reconsideration and allowance of this application are respectfully requested in light of the above amendments and the following remarks.

The Applicants acknowledge with appreciation the indication in the office action that claims 1-4 and 7-12 are allowed and that claim 6 is directed to allowable subject matter.

Claim 6 has been placed in independent form, and claim 5 has been canceled.

Claims 2, 3, 4, 6, 8, 9, 10, 1-10 have been broadened by deleting the term "high-speed" which is a somewhat vague term, and thus these amendments clarify the scope of these claims. Also, claim 6 has been broadened in that the discrete cosine transformer has been changed to "discrete transformer." New claim 13 depends from claim 6 and defines the discrete transformer as a discrete cosine transformer.

Claims 6, 8, 9, and 10 and paragraphs [0065] and [0076] of the specification has been corrected by changing "upsampling" to "downsampling." Those skilled in the art would recognize the need for these changes in view of application page 19, lines 8-15, Fig. 7, application page 24, lines 12-18, and Fig. 10.

New independent claim 14 is a broadened version of claim 1; support is provided at least at application page 12, line 11

through page 13, line 8 and Fig. 1. New independent claim 15 is a broadened version of claim 7; support is provided at least at application page 20, line 15 through page 24, line 1 and Fig. 9. It is believed that these claims are allowable for similar reasons that claims 1 and 7 are allowable.

In view of the above, it is submitted that this application is in condition for allowance, and a notice to that effect is respectfully solicited.

If any issues remain which may best be resolved through a telephone communication, the Examiner is requested to telephone the undersigned at the local Washington, D.C. telephone number listed below.

Respectfully submitted,

/James Edward Ledbetter/

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JEL/DWW/att

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